

Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended) A space frame structure capable of deployment or retraction comprising ~~the elements of~~ multiple truss elements, multiple beam elements forming each one of said multiple truss elements, and each one of said truss element ~~elements~~ being capable of existing in either a straight and rigid condition, or existing in a curved and flexible condition, with each end ~~opposed ends~~ of said truss elements connected to at least two other structural elements desired to be held spaced apart in a prescribed orientation.

Claim 2 (Currently Amended) The invention of claim 1 wherein said multiple beam elements of each one of said truss elements comprise a single long beam having non-fully constrained end attachment points, and a hinge for connecting said single long beam ~~connectively~~ hinged to one or more ~~similar~~ single beams which do not have constrained end attachment points, for the purpose of existing in either a straight and rigid condition, or to exist in a curved and flexible condition, depending on the angular orientation of said ~~connectivity~~ hinge.

Claim 3 (Original) The invention of claim 1 wherein said truss elements are comprised of a carbon fibre composite material.

Claim 4 (Currently Amended) The invention of claim 1, wherein neighboring ones of said truss elements on one end of the at least two structural elements are having means for alternately ~~connecting connected~~ trusses on one end of the structure to a fixed attachment ring and on another end of the structure to a rotateable deployment ring, and said truss elements are configured so as to effect a condition of creating parallel truss pairs when it is desired to collapse the structure, and to likewise create a condition when it is desired to deploy and rigidify the structure by rotation of said deployment ring to triangulate successive truss pairs.

Claim 5 (Currently Amended) The invention of claim 2, wherein the hinge element comprises two fabric or membrane like strips of material sewn together to create pockets for the insertion of beam

like truss elements, so as to effect a hinge apparatus at a line defined by the sewn seam separating two or more beam like truss elements.

Claim 6 (Currently Amended) The invention of claim 4, wherein provision is made to automate and mechanize the apparatus for automatic deployment or automatic retraction.

Claim 7 (Withdrawn) An astronomical telescope structure comprising primary and secondary reflecting mirrors held rigidly separated by a triangulated truss structure, having motional degrees of rotational freedom about a horizontal azimuth axis, and rotational freedom about an orthogonal altitude axis, said telescope having provision for adjustable separation of said primary and secondary mirrors with respect to the altitude rotational axis for the purpose of adjusting the balance point of said telescope structure to coincide with the approximate location of said altitude rotational axis.

Claim 8 (Withdrawn) An astronomical telescope structure comprising primary and secondary reflecting mirrors held rigidly separated by a triangulated truss structure, having motional degrees of rotational freedom about a horizontal azimuth axis, and rotational freedom about an orthogonal altitude axis, said telescope having the components one or more tubular metal rings as the bearing surface of said azimuth axis, thereby providing an essential hollow space located therein.